

Listing of Claims:

1. (currently amended) A method of configuring the service state of a wireless communication device, the method comprising the steps of:

receiving a set of device operating parameters defining a preferred service state of the wireless communication device for a device operator, the device operating parameters including a context parameter representing a device operating situation for a given context data;

receiving a plurality of context data from a plurality of context data sources to calculate a driver cognitive load based upon the plurality of context data; and

setting the service state of the wireless communication device in accordance with the calculated driver cognitive load, the context parameter and the plurality of context data.

2. (original) The method of claim 1, wherein the context parameter and the context data each relate to a speed of the wireless communication device.

3. (original) The method of claim 1, wherein the context parameter and the context data each relate to a location of the wireless communication device.

4. (original) The method of claim 1, wherein the context parameter and the context data each relate to time.

5. (original) The method of claim 1, wherein the context parameter and the context data each relate to an activity of the device operator.

6. (original) The method of claim 1, wherein the context parameter and the context data each relate to a cognitive load of the device operator.

7. (original) The method of claim 1, wherein the service state comprises at least one of a call forwarding service state and a call forwarding to voice mail service state.

8. (previously presented) The method of claim 1, wherein the service state comprises a voice activated service state, wherein a hands-free voice interface is enabled.

9. (original) The method of claim 1, wherein the step of receiving context data comprises receiving data relating to the operation of a vehicle.

10. (original) The method of claim 9, wherein the data relating to the operation of a vehicle comprises vehicle condition data and vehicle environment data.

11. (original) The method of claim 9, wherein the step of receiving data relating to the operation of the vehicle comprises fusing data within the vehicle and providing the fused data to the wireless communication device.

12. (original) The method of claim 9, wherein the step of receiving data relating to the operation of the vehicle comprises communicatively coupling the wireless communication device with the vehicle.

13. (original) The method of claim 1, wherein the step of receiving a set of device operating parameters comprises providing a personal portable user interface, and receiving the set of device operating parameters via the personal portable user interface.

14. (original) The method of claim 1, wherein the context parameter and context data each relate to ambient lighting.

15. (original) The method of claim 1, wherein the context parameter and the context data each relate to altitude.

16. (original) The method of claim 1, wherein the context parameter and the context data each relate to ambient sound.

17. (original) The method of claim 1, wherein the service state comprises a ringing mode service state.

18. (original) The method of claim 1, wherein the service state comprises a completion delay service state.

19. (original) The method of claim 1, wherein the service state comprises a calling party identification service state.

20. (original) The method of claim 1, wherein the wireless communication device comprises a cellular telephone.

21. (original) The method of claim 1, wherein the wireless communication device comprises a pager.

22. (original) The method of claim 1, wherein the wireless communication device comprises a personal digital assistant.

23. (currently amended) A context aware wireless communication device comprising:
a sensor fusion module coupled to receive a plurality of context data from a plurality of sensors to produce a driver cognitive load;
a memory including stored therein a context parameter representing a device operating situation for a given context data; and
a processor for adjusting a service state of the wireless communication device based upon the driver cognitive load, the plurality of context data and the context parameter.

24. (original) The device of claim 23, wherein the context parameter and the context data each relate to a speed of the wireless communication device.

25. (original) The device of claim 23, wherein the context parameter and the context data each relate to a location of the wireless communication device.

26. (original) The device of claim 23, wherein the context parameter and the context data each relate to time.

27. (original) The device of claim 23, wherein the context parameter and the context data each relate to an activity of the device operator.

28. (original) The device of claim 23, wherein the context parameter and the context data each relate to a cognitive load of the device operator.

29. (original) The device of claim 23, wherein the service state comprises at least one of a call forwarding service state and a call forwarding to voice mail service state.

30. (previously presented) The device of claim 23, wherein the service state comprises a voice activated service state, wherein a hands-free voice interface is enabled.

31. (original) The device of claim 23, wherein the context parameter and context data each relate to ambient lighting.

32. (original) The device of claim 23, wherein the context parameter and the context data each relate to altitude.

33. (original) The device of claim 23, wherein the context parameter and the context data each relate to ambient sound.

34. (original) The device of claim 23, wherein the service state comprises a ringing mode service state.

35. (original) The device of claim 23, wherein the service state comprises a completion delay service state.

36. (original) The device of claim 23, wherein the service state comprises a calling party identification service state.

37. (original) The device of claim 23, wherein the wireless communication device comprises a cellular telephone.

38. (original) The device of claim 23, wherein the wireless communication device comprises a pager.

39. (original) The device of claim 23, wherein the wireless communication device comprises a personal digital assistant.

40. (original) The device of claim 23, wherein the wireless communication device comprises a computer.

41. (original) The device of claim 23, wherein the wireless communication device comprises a web browser.